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1600

RAW SEQUENCE LISTING

DATE: 05/27/2003

PATENT APPLICATION: US/09/237,981D

TIME: 09:12:10

Input Set : A:\valentis8002us2.txt

Output Set: N:\CRF4\05272003\I237981D.raw

3 <110> APPLICANT: Quertermous, Thomas
 4 Hogan, Brigid
 5 Snodgrass, Ralph H
 6 Zupancic, Thomas J
 8 <120> TITLE OF INVENTION: Antibodies Binding to Polypeptides Encoded by
 9 Developmentally-Regulated Endothelial Cell Locus-1
 11 <130> FILE REFERENCE: 54964.8002.US02 (238/300)
 13 <140> CURRENT APPLICATION NUMBER: US 09/237,981D
 14 <141> CURRENT FILING DATE: 1999-01-25
 16 <150> PRIOR APPLICATION NUMBER: US 08/659,235
 17 <151> PRIOR FILING DATE: 1996-06-05
 19 <150> PRIOR APPLICATION NUMBER: US 08/480,229
 20 <151> PRIOR FILING DATE: 1995-06-07
 22 <160> NUMBER OF SEQ ID NOS: 33
 24 <170> SOFTWARE: PatentIn version 3.2
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 28 <212> TYPE: PRT
 29 <213> ORGANISM: mouse
 31 <400> SEQUENCE: 1
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 37 Lys Asp Phe Gly Asp Val Leu Phe Val Gly Ser Tyr Lys Leu Ala Tyr
 38 20 25 30
 41 Ser Asn Asp Gly Glu His Trp Met Val His Gln Asp Glu Lys Gln Arg
 42 35 40 45
 45 Lys Asp Lys Val Phe Gln Gly Asn Phe Asp Asn Asp Thr His Arg Lys
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 49 Asn Val Ile Asp Pro Pro Ile Tyr Ala Arg Phe Ile Arg Ile Leu Pro
 50 65 70 75 80
 53 Leu
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 58 <211> LENGTH: 81
 59 <212> TYPE: PRT
 60 <213> ORGANISM: Homo sapiens
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 68 Arg Asn Phe Gly Ser Val Gln Phe Val Ala Ser Tyr Lys Val Ala Tyr
 69 20 25 30
 72 Ser Asn Asp Ser Ala Asn Trp Thr Glu Tyr Gln Asp Pro Arg Thr Gly
 73 35 40 45
 76 Ser Ser Lys Val Phe Gln Gly Asn Leu Asp Asn Asn Ser His Lys Lys

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84 Val
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90 <212> TYPE: PRT
91 <213> ORGANISM: Homo sapiens
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99 Lys Ser Leu Ser Ser Glu Met Tyr Val Lys Ser Tyr Thr Ile His Tyr
100      20      25      30
103 Ser Glu Gln Gly Val Glu Trp Lys Pro Tyr Arg Leu Lys Ser Ser Met
104      35      40      45
107 Val Asp Lys Ile Phe Glu Gly Asn Thr Asn Thr Lys Gly His Val Lys
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112 65      70      75      80
115 Lys
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120 <211> LENGTH: 72
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131      20      25      30
134 Ser Gln Asp Gly His His Trp Thr Gln Ile Leu Tyr Asn Gly Lys Val
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158      20      25      30
161 Asp Ile Ser Ser Asn Gly Glu Asp Trp Ile Thr Leu Lys Gly Asp Asn
162      35      40      45
165 Lys His Leu Val Phe Thr Gly Asn Thr Asp Ala Thr Asp Val Val Tyr
166      50      55      60
169 Arg Pro Phe Ser Lys Pro Val Ile Thr Arg Phe Val Arg Leu Arg Pro

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189                               20                               25                               30
192 Ser Asn Asn Gly Thr Glu Trp Gly Met Ile Met Asp Ser Ser Lys Asn
193                               35                               40                               45
196 Lys Pro Lys Thr Phe Glu Gly Asn Thr Asn Tyr Asp Thr Pro Glu Leu
197                               50                               55                               60
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216                               20                               25                               30
219 Asp Asn Val Ser Trp Phe Glu Tyr Arg Asp Gly Ala Ala Ile Thr Gly
220                               35                               40                               45
223 Val Thr Asp Arg Asn Thr Val Val Asn His Phe Phe Asp Thr Pro Ile
224                               50                               55                               60
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312 <222> LOCATION: (74)..(75)
313 <223> OTHER INFORMATION: nonconsensus sequence of SEQ.ID.NOS.1-7

RAW SEQUENCE LISTING

DATE: 05/27/2003

PATENT APPLICATION: US/09/237,981D

TIME: 09:12:10

Input Set : A:\valentis8002us2.txt

Output Set: N:\CRF4\05272003\I237981D.raw

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326 Xaa Xaa Lys Xaa Xaa Xaa Xaa Xaa Xaa Phe Val Xaa Ser Tyr Lys Ile
327 20 25 30
330 Xaa Tyr Ser Xaa Asp Gly Xaa Xaa Trp Xaa Xaa Xaa Xaa Xaa Xaa Xaa
331 35 40 45
334 Xaa Xaa Lys Xaa Lys Val Phe Xaa Gly Asn Thr Asp Xaa Xaa Thr Xaa
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356 cctgcgtctc atatttctgc atgctgcttt gtttgtatat agtgcgctcc tggcctcagg 180
358 ctgcgtcccc tccagctctc gcttcattgt tctccaagtc agaagcccc gcacccgccg 240
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366 tgagggtgaa tcaccctttc tctagggcca ccactctttt atcgcccttc ccaagatttg 480
368 agaagcgctg cgggaggaaa gacgtcctct tgatctctga cagggcgggg tttactgctg 540
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372 cgtccgtgag aagggatcat gaagcacttg gtagcagcct ggcttttggt tggactcagc 660
374 ctcggggtgc cccagttcgg caaagggtgac atttgcaacc cgaaccctg tgaaaatggt 720
376 ggcattctgtc tgtcaggact ggctgatgat tccttttcct gtgagtgtcc agaaggcttc 780
378 gcaggtcgga actgctctag tgttgaggag gttgcatcag atgaagaaaa gcctacttca 840
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382 tatcgaggag acacattcat aggctatggt tgtaaattgt ctcggggatt taatgggatt 960
384 cactgtcagc acaatataaa tgaatgtgaa gctgagcctt gcagaaatgg cggaatatgt 1020
386 accgaccttg ttgctaacta ctcttgtaga tgcccaggag aatttatggg acgaaattgt 1080
388 caatataaat gctctgggca cttgggaatc gaagggtggg tcatatctaa tcagcaaate 1140
390 acagcttcat ctaatcaccg agctcttttt ggactccaga agtggtatcc ctactatgct 1200
392 cgacttaata agaaggccct tataaatgcc tggacagctg ctgaaaatga cagatggcca 1260
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396 aaaaggattg gaagcccaga gtacataaaa tcctacaaaa ttgcctacag caatgacggg 1380
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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/237,981D

DATE: 05/27/2003
TIME: 09:12:11

Input Set : A:\valentis8002us2.txt
Output Set: N:\CRF4\05272003\I237981D.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; Xaa Pos. ~~3,4,5,6,7,16,17,18,20,21,22,23,24,25,28,33,36,39,40,42,43~~
Seq#:8; Xaa Pos. ~~44,45,46,47,48,49,50,52,56,61,62,64,65,66,68,70,71,74,75~~
Seq#:8; Xaa Pos. ~~80,81,83,84,85~~
Seq#:21; Xaa Pos. 225,243,266,277
Seq#:26; Xaa Pos. 2,3,4,7,11,13,14,15,16,17,18,19,20,21,22,23,24,25,27,29
Seq#:26; Xaa Pos. 31,32,35,37,38,40
Seq#:27; N Pos. 1
Seq#:28; N Pos. 1819,1820,1821
Seq#:31; Xaa Pos. 1

VERIFICATION SUMMARY

DATE: 05/27/2003

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Input Set : A:\valentis8002us2.txt

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L:322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
M:341 Repeated in SeqNo=8
L:1024 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:224
M:341 Repeated in SeqNo=21
L:1189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
M:341 Repeated in SeqNo=26
L:1213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:1298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:1800
L:1524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0